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What is claimed is:

- 1. A semiconductor device comprising:
- a radiating plate;
- a semiconductor chip bonded onto the radiating plate;
- a resin wall bonded at the lower end to the radiating plate to surround the circumference of the semiconductor chip;
 - a conductive member extended through the resin wall and retained by the resin wall to electrically conduct the semiconductor chip to the outside; and
 - a resin lid bonded to the upper end of the resin wall, the semiconductor chip being sealed in the space blocked by the radiating plate, the resin wall and the resin lid.
 - 2. A semiconductor device comprising:
 - a conductive member formed by a lead frame;
 - a radiating plate formed of a metal plate different from the lead frame;
 - a semiconductor chip bonded onto the radiating plate;
- a resin wall bonded at the lower end to the radiating
 plate, which retains the conductive member and surrounds the
 circumference of the semiconductor chip; and
 - a resin lid bonded to the upper end of the resin wall, the semiconductor chip being sealed in the space blocked by the radiating plate, the resin wall and the resin lid, and the conductive member electrically conducting the semiconductor chip to the outside.
 - 3. The semiconductor device according to claim 1, wherein the resin wall is fitted to protruding parts or

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recessed parts provided on the radiating plate.

- 4. The semiconductor device according to claim 2, wherein the resin wall is fitted to protruding parts or recessed parts provided on the radiating plate.
- 5. The semiconductor device according to claim 1, wherein the recessed parts are provided on the opposed side parts of the radiating plate, the protruding parts are protruded and provided on the inner surfaces of the recessed parts, and the lower end part of the resin wall is buried in the recessed parts.
 - 6. The semicond6ctor device according to claim 2, wherein the recessed parts are provided on the opposed side parts of the radiating plate, the protruding parts are protruded and provided on the inner surfaces of the recessed parts, and the lower end part of the resin wall is buried in the recessed parts.
 - 7. The semiconductor device according to claim 1, wherein holes are provided in the outside positions of the resin wall on the conductive member.
- 8. The semiconductor device according to claim 2, wherein holes are provided in the outside positions of the resin wall on the conductive member.
 - 9. The semiconductor device according to claim 1, wherein first holes are provided in the outside positions of the resin wall on the conductive member, and second holes or cutouts are provided in the region extending through the resin wall of the conductive member.
 - 10. The semiconductor device according to claim 2,

wherein first holes are provided in the outside positions of the resin wall on the conductive member, and second holes or cutouts are provided in the region extending through the resin wall of the conductive member.

- 5 11. The semiconductor device according to claim 9, wherein the first holes are arranged so as to overlap the space area between the second holes or cutouts when the conductive member is seen in the resin wall direction from the outside of the resin wall.
- 12. The semiconductor device according to claim 10, wherein the first holes are arranged so as to overlap the space area between the second holes or cutouts when the conductive member is seen in the resin wall direction from the outside of the resin wall.
- 13. The semiconductor device according to claim 1, wherein a stepped part to be fitted to the inner periphery of the resin wall is provided on the resin lid.
 - 14. The semiconductor device according to claim 2, wherein a stepped part to be fitted to the inner periphery of the resin wall is provided on the resin lid.
 - 15. The semiconductor device according to claim 13, wherein the resin lid has a vertically plane symmetric shape.
 - 16. The semiconductor device according to claim 14, wherein the resin lid has a vertically plane symmetric shape.
- 25 17. The semiconductor device according to claim 1, wherein the surface of the radiating plate surrounded by the resin wall is surface-finished by silver plating, and the other surface of the radiating plate except the part for

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bonding the resin wall and the inner lead part and outer lead part of the conductive member are surface finished by gold plating.

- 18. The semiconductor device according to claim 2,

 5 wherein the surface of the radiating plate surrounded by the
 resin wall is surface-finished by silver plating, and the
 other surface of the radiating plate except the part for
 bonding the resin wall and the inner lead part and outer
 lead part of the conductive member are surface finished by

 10 gold plating.
 - 19. A manufacturing method of semiconductor device comprising the steps of:

forming a conductive member by a lead frame;
arranging the lead frame and a radiating plate in a
metal mold having a cavity corresponding to a resin wall;

clamping the region of the radiating plate, that region forming the inside of the resin wall, by an upper die and a lower die of the metal mold; and

molding a resin in the metal mold to form the resin 20 wall.

20. A manufacturing method of semiconductor device comprising the steps of:

forming a conductive member by a lead frame;

forming a radiating plate by use of a metal plate

different from the lead frame;

arranging the lead frame and the metal plate within a metal mold having a cavity corresponding to a resin wall; molding a resin in the metal mold to form the resin

wall and opening the mold; and

plating the radiating plate and the conductive member.

21. A manufacturing method of semiconductor device according to claim 20, wherein the plating step comprising the steps of:

electroplating the radiating plate with silver; electroplating the conductive member with gold; and electroplating the region of the radiating plate with gold, the region forming the outside of the resin wall.

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